

FIGURE 1

Sequence alignments of N-terminal regions of α subunits and N-terminal sequences of GPA₄₁- α hybrid proteins

A. Alignment of GPA1 with α Subunits

GPA1
MGC.TVSTOTIGDESDPFLNKRANDVIEOSLOLEKORDKNEIKLLLLGAGESGKSTVLKQLKLLHQ.....
 α 5
 MCCLGTS...KTEDORNEEKAQREANKKIEKQLQKDKQVYRATHRLLLLLGAGESGKSTIVKQMRILHV.....
 α 12
 MGC.TVS.....AEDKAAEAERSKMIDKNLREDGEKAAREVKLLLLGAGESGKSTIVKQMKIIE.....
 α 13
 MGC.TVS.....AEDKAAVERS KMIDRNLRLEDGEKAAKEVKLLLLGAGESGKSTIVKQMKIIE.....
 α 16
 MARSLTWRCCPWCLTEDEKAAARVDQEI NRILLEQKKQDRGELKLLLLGPGESGKSTFIKQMRIHG.....

B. GPA₄₁- α Hybrids

GPA₄₁- α 5
MGC.TVSTOTIGDESDPFLNKRANDVIEOSLOLLKORDKNERKLLLLGAGESGKSTIVKQMRILHV.....
 GPA₄₁- α 12
 MGC.TVSTOTIGDESDPF~~LNKRANDVIEOSLOLEKORDKNEVKLLLLGAGESGKSTIVKQMKIIE.....~~
 GPA₄₁- α 13
 MGC.TVSTOTIGDESDPF~~LNKRANDVIEOSLOLEKORDKNEVKLLLLGAGESGKSTIVKQMKIIE.....~~
 GPA₄₁- α 16
MGC.TVSTOTIGDESDPFLNKRANDVIEOSLOLEKORDKNEVKLLLLGPGESGKSTFIKQMRIHG.....